2020 Honors App Development Benchmark #2 - RouteMapper App

Student Name: _____   **Date:** _____

Items	Absent (0 Points)	Developing (1 Point)	Accomplished (2 Points)	Exemplary (3 Points)
Commentary and Component Names	App does not appear to include any care toward readability through component names or commentary.	3 - 4 issues with exemplary criteria, which may include any of the characteristics outlined in "Accomplished".	1 - 2 issues with "Exemplary" criteria, which may include any of the following: - Comment may be difficult to find, or may not adequately describe app behavior. - Comment includes incomplete discussion of limitations. - Components have default names.	Submission accounts for ALL of the following: - A clearly-visible comment describes, completely but concisely, the general functionality of the app. - The comment outlines several, if there are any, limitations or bugs within the app. Whether or not additional limitations exist is covered in row 2. - Component names are generally sensible. I don't so much care about things like arrangements, but if there are, say, multiple buttons, they should not be named "button1", "button2", etc.
General Functionality	More than 4 issues with exemplary criteria, which may include any of the characteristics outlined in "Accomplished".	3 - 4 issues with exemplary criteria, which may include any of the characteristics outlined in "Accomplished".	1 - 2 issues with "Exemplary" criteria, which may include any of the following: - Any of the errors outlined in "Exemplary". - Copy-pasted code when a procedure or list could have been created, or components looped through.	Submission accounts for all of the following: - Can't find any bugs that weren't explicitly outlined in the comments. Some odd things to check: - Are distance outputs clearly-incorrect? - Are markers mislabeled? - Do lines follow the route incorrectly? - Are there missed opportunities for using procedures and/or lists and loops?

Base Behavior	More than 4 issues with exemplary criteria, which may include any of the characteristics outlined in "Accomplished". App may not resemble required assignment.	3 - 4 issues with exemplary criteria, which may include any of the characteristics outlined in "Accomplished".	1 - 2 issues with "Exemplary" criteria, which may include any of the following: - Markers don't show up properly or don't include labels. - Odd behavior each time a marker is placed (i.e., sending location to somewhere else on the globe). - Distance, markers, and/or polyline missing from final display.	Submission includes all required behavior from assignment sheet (aside from extras and aesthetics, which are addressed in following rows).
Extras	"Extras" are more so changes in the base behavior of the app.	Extras are little more than aesthetic changes that really should be present anyway, and do little to improve the functionality of the app (e.g., a title screen).	Extras are decent inclusions that improve the app, but did not require higher-level thinking to implement. Examples could include: - Displaying segment distances as each segment is generated. - Allowing "Start Over" functionality.	Extras are innovative and interesting--may include any or all of the options outlined on the assignment sheet, or suitable substitutions discussed with Mr. Horner.
Aesthetics and Complexity	App looks very thrown-together, and doesn't appear to incorporate aesthetically-pleasing content.	3 - 4 issues with exemplary criteria, which may include any of the characteristics outlined in "Accomplished".	1 - 2 issues with "Exemplary" criteria, which may include any of the following: - Occasional use of pixels for component sizing. - App looks "just fine" or "odd", in that components have strange sizes or alignment either relative to the entire screen or one another, or it still looks like a work in progress. - Font is difficult to read due to odd color schemes in backgrounds or components. - Occasional instances where you must "figure out" what to do next to continue and/or restart.	Submission accounts for all of the following: - Percentages, not pixels, are not used for sizing of any components (or equivalent sizing based on screen/other component dimensions. - App is above-and-beyond aesthetically-pleasing. No egregious errors in component scaling, weird size differences for similar-behavior components, labels where text is hard to read, etc. Programmer has gone out of their way to make things look nicer than just the basics. - App use is clear and obvious. At no times do you find yourself wondering what to do to continue and/or restart.